

ACCOUNTABILITY INSTRUCTIONS

PRON M101SS50,M101SS49,M101SS51

ELECTRONIC ASSY,CONTROL PANEL, DISPENSER ASSY

1. Transfer of Accountability. Government furnished equipment (GFE) for temporary use: Accountability for this material is transferred to the contractor under provisions of the FAR. The Contractor shall maintain the official property records in accordance with Part 45. Cited data item descriptions provide transaction reporting necessary for accurate physical and fiscal accounting for material in the possession of defense contractors.

2. Point of contact for accountability.

Associate Director
Commodity Business
Operations/RI Site
ATTN: AMSTA-LC-CIAI
Rock Island, IL 61299-7630
Commercial Phone: (309) 782-5291

3. Material Receipt by Contractor.

a. Discrepancy Reporting: Discrepancies shall be distinguished and reported as one of the following:

(1) Transportation type discrepancy: This discrepancy is evident when material received disagrees with the condition, quantity, or type from that property described on the bill of lading or other transportation document. See DI-MGMT-80544A.

(2) Shipping type discrepancy: This discrepancy is evident when freight is opened and the contents do not agree with the supply shipping documents. See DI-MGMT-80503, Report of Shipping (Item) and Packaging Discrepancy.

4. Return of GFE.

a. Inventory: The Contractor shall, within 30 calendar days after Government acceptance of all items on this contract, provide an inventory list of all remaining GFE, through the Adminstrating Contracting Officer (ACO) to the Contracting Officer.

b. Disposition Instructions: Within 45 days after receipt of the inventory list, the Contracting Officer will provide the Contractor with disposition instructions. To assure property accountability and preclude Contractor liability, all GFE must be

returned on the document number under which it was received.

DOCUMENT SUMMARY LIST

PRON # M101SS49, M101SS51, M101SS50ELECTRONIC ASSY, CONTROL PANEL, DISPENSER ASSY

DOCUMENT CATEGORY

CATEGORY 1 - The requirements contained in the directly cited document are contractually applicable to the extent specified. Unless otherwise specified in the solicitation, contract or contract modification, all requirements contained in reference and subsequently referenced documents are contractually for guidance and information only.

CATEGORY 2 - The requirements contained in the directly cited document and the reference documents identified in the directly cited document are contractually applicable to the extent specified. Unless otherwise specified in the solicitation, contract or contract modifications, all requirements contained in the subsequently referenced documents within reference documents are contractually for guidance and information only.

CATEGORY 3 - Unless otherwise specified in the solicitation, contract or contract modifications, all requirements contained in the directly cited document and all reference and subsequently referenced documents are contractually applicable to the extent specified.

DOCUMENT NUMBER

(CONTRACT REFERENCE)
APPLICABLE TAILORING

DOCUMENT SUMMARY

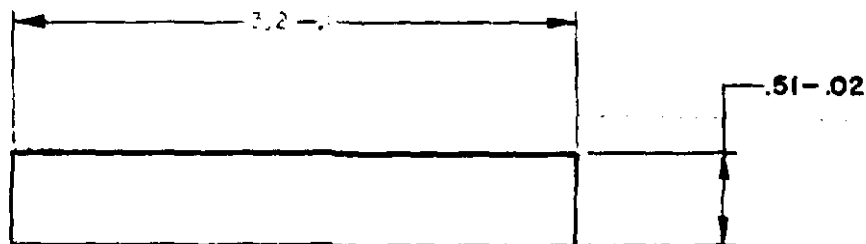
DOCUMENT DATE/
DOCUMENT CATEGORY

1. FAR PART 45 (ACCTBY INST, para 1,10)	Federal Acquisition Regulation	1 Apr 84 Cat 3
--	-----------------------------------	-------------------

2.a. N/A (ACCTBY INST, para 3b(1))	Statement of Work	N/A Cat 2
---------------------------------------	-------------------	--------------

2.b. DI-MGMT-80544A (Sequence A001)	Transportation Discrepancy Report	8 Nov 90 Cat 1
<hr/>		
3.a. N/A (ACCTBY INST, para 3b(2))	Statement of Work	N/A Cat 2
3.b. DI-MGMT-80503 (Sequence A002)	Report of Shipping (Item) and Packaging Discrepancy	30 Dec 87 Cat 1
<hr/>		

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-	ERR A7D2504	76-07-21	
A	NORA9D2501/79-05-16	79-07-24	
B	NORA1Y2012 811119	820319	
C	NORA3Y2002/83 03 04	83-04-20	
D	NOR MOY2009/900628	901113	



NOTES:-

1-SPEC MIL-A-2550 AND ANSI Y14.5-1973 APPLY.

2-MATERIAL: FELT, ADHESIVE BACKED:

A-FELT, SPEC C-F-206, CLASS 16 RIX, TYPE 1.

B-ADHESIVE, 9332550

C- THICKNESS CAN VARY FROM .022 INCHES TO .042 INCHES.
DETERMINATION OF REQUIRED THICKNESS SHALL BE MADE TO
ASSURE SNUG FIT IN NEXT ASSEMBLY.

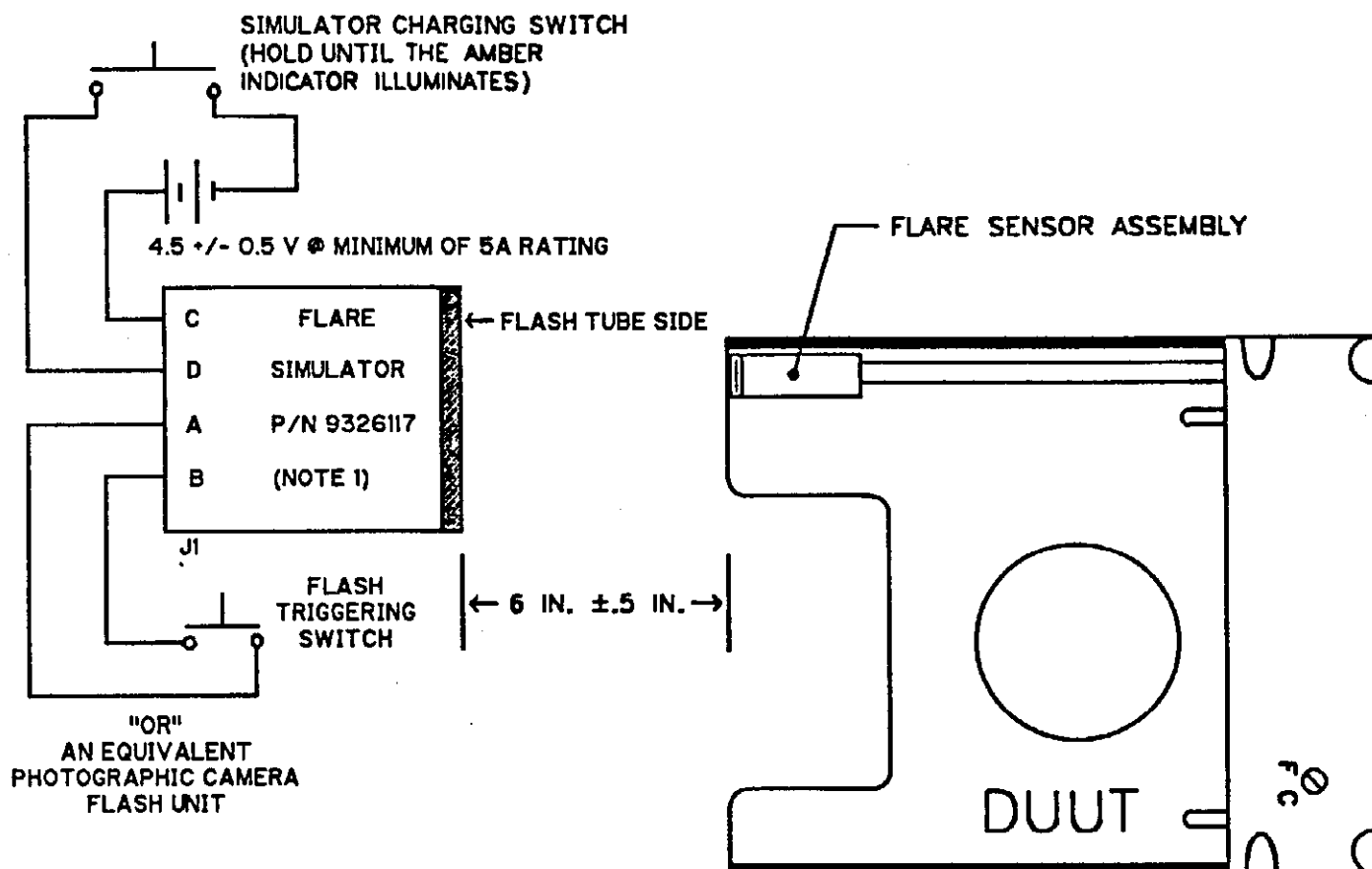
78-2018 9342055		FLARE M-206		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 78-7-21		U S ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND DOVER, NEW JERSEY 07801	
NEXT ASSY		USED ON		YP	TS	TOLERANCES ON DECIMALS *		DRAFTSMAN WB	CHECKER	OBTURATOR, FELT	
APPLICATION		RA	BN	RA	BN	FRACTIONS * ANGLES *		ENGR	ENGR		
				RA	BN			ENGR	ENGR	SIZE C	CODE IDENT NO. 19200
				RA	BN			C. J. Kestner		SCALE 2/1	UNIT WT.
				RA	BN					SHEET	

PART NO: 9311653

DAAE20-99-R-0201

ATTACHMENT 011

BOOK FORM "A" SIZE



NOTE

1 - ASSOCIATED PART NUMBER/DRAWINGS REQUIRED

~~9326117~~, 9326113, 9326114, 9326115, 9326116, 12561320, 12624724, 12624727, 12624726, 12624729,
12624730, 12624731, 12624732, 12624733, 12624734, 12624794, 12624795, 12909983 & 12909985
EXCLUDE THE ROD (9326111) AND HUB MOUNTING (9326112-1) AND ASSOCIATED MOUNTING HARDWARE
EXCLUDE PLATE IDENTIFICATION (9326749).

TEST SETUP
FIGURE 3

TITLE

TEST SET-UP FOR
FUNCTION TEST (DISPENSER
TESTING)

SIZE

A

FSCM NO.

19200

DRAWING NO.

9280368

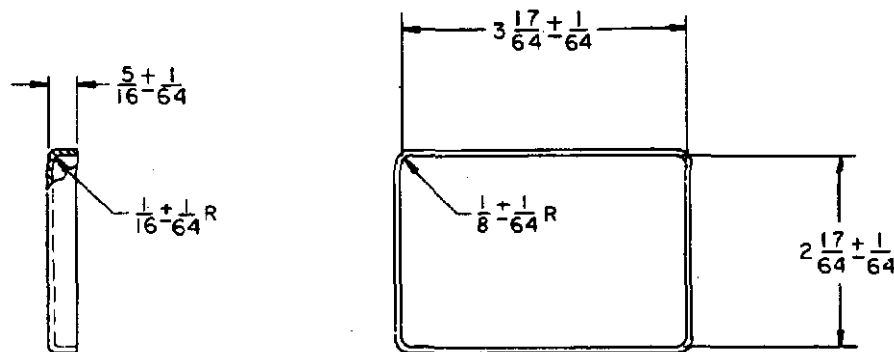
SCALE

REVISION LEVEL E

SHEET 7

BARPA FORM 1040 OCT 75 EDITION OF MAY 66, MAY 67 USED

REVISIONS			
SYN	DESCRIPTION	DATE	APPROVAL
—	ERR A8F2501 (REL)	78-03-01	



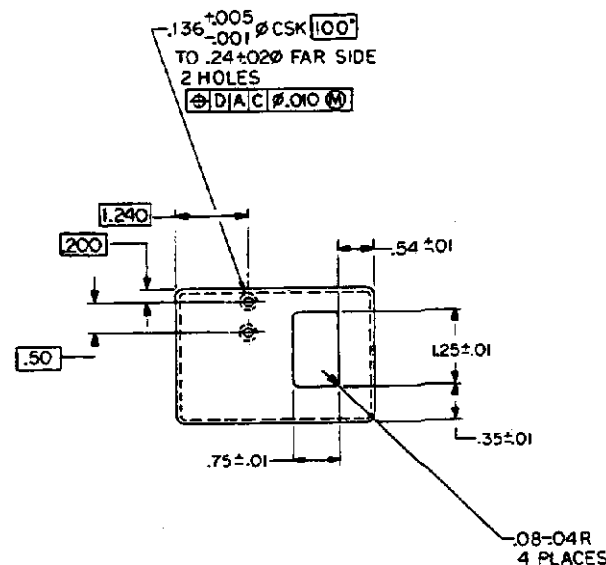
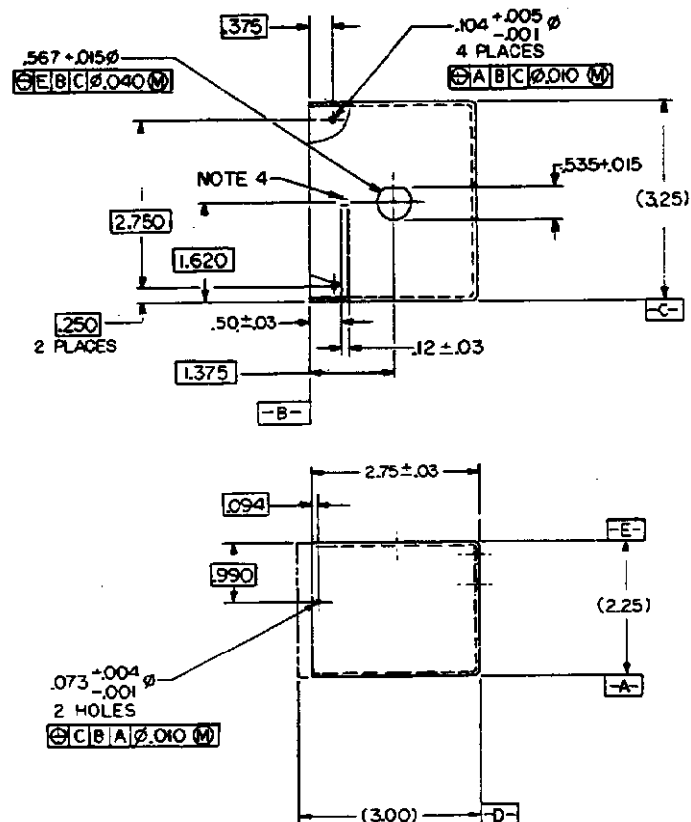
NOTES:-

- REQUIREMENTS:
A - MATERIAL:- .050 ALUMINUM ALLOY 3003-H14 QQ-A-250/2.
- IDENTIFICATION OF THE SUGGESTED SOURCES OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM.
- SUGGESTED SOURCE OF SUPPLY:
ZENO MANUFACTURING CO., EAST DIVISION
208 MAIN ST.
ROBINSON, MASS. 01057

VENDOR PART NO. ZT36-52COT
FSCN NO. 19178

SPECIFICATION CONTROL DRAWING PART NO. 9326114

		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 78-03-01		U S ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND ROCKFORD, NEW JERSEY 07081	
		YP		TOLERANCES ON DECIMALS *		DRAFTSMAN RSK		CHECKER CS	
		TS		FRACTIONS * ANGLES *		ENGR RTH		ENGR	
		ELB				ENGR		ENGR	
		RA				ENGR		ENGR	
9326116		TEST SET M92				ENGR		ENGR	
NEXT ASSY		USED ON				ENGR		ENGR	
APPLICATION						Signed: <i>Richard M. Butler</i> <i>C. J. Kofish</i>		COVER SIZE C CODE IDENT NO. 19200 9326114 SCALE 1/1 UNIT WT. SHEET	



REVISIONS			
DATE	DESCRIPTION	BY	APPROVAL
---	ERR ABF2501 (REL)	78-03-01	
A	NOR W3D2508 78-03-12	79-07-20	K7.6
B	NOR W5D2058P2 deleted	88 07 06	MR. J. G.
C	ERR Z9Z1194 AA	890920	mm
IECP	G702007 870325		
IECP	D7F-3038 880107		hand

NOTES:—

- 1-SPEC MIL-A-2550 AND ANSI Y14.5-1973 APPLY.
2-BOX, PART NO 9326113 TO BE ALTERED AS SHOWN.
3-PROTECTIVE FINISH: FINISH NO.7.22, COLOR BLACK NO.
37038, SPEC MIL-STD-171.
4-OPTIONAL METHODS OF MARKING ARE AS FOLLOWS:
A-MARK LETTERING WITH INK, MARKING, STENCIL, TYPE I, A-A-208, COLOR WHITE
NO. 37875 OR INK, MARKING, EPOXY BASE, MIL-I-43553, TYPE I, COLOR WHITE
NO. 37875. COAT WITH VARNISH SPEC MIL-V-173.
B-ENGRAVE LETTERING .02 DEEP FILLER ENGRAVING COLOR WHITE NO. 37875
SPEC TT-F-325. COAT WITH VARNISH MIL-V-173.
5-FOR SPARE PARTS REQUIREMENT ONLY SEE MIL-W-63550 (AR).

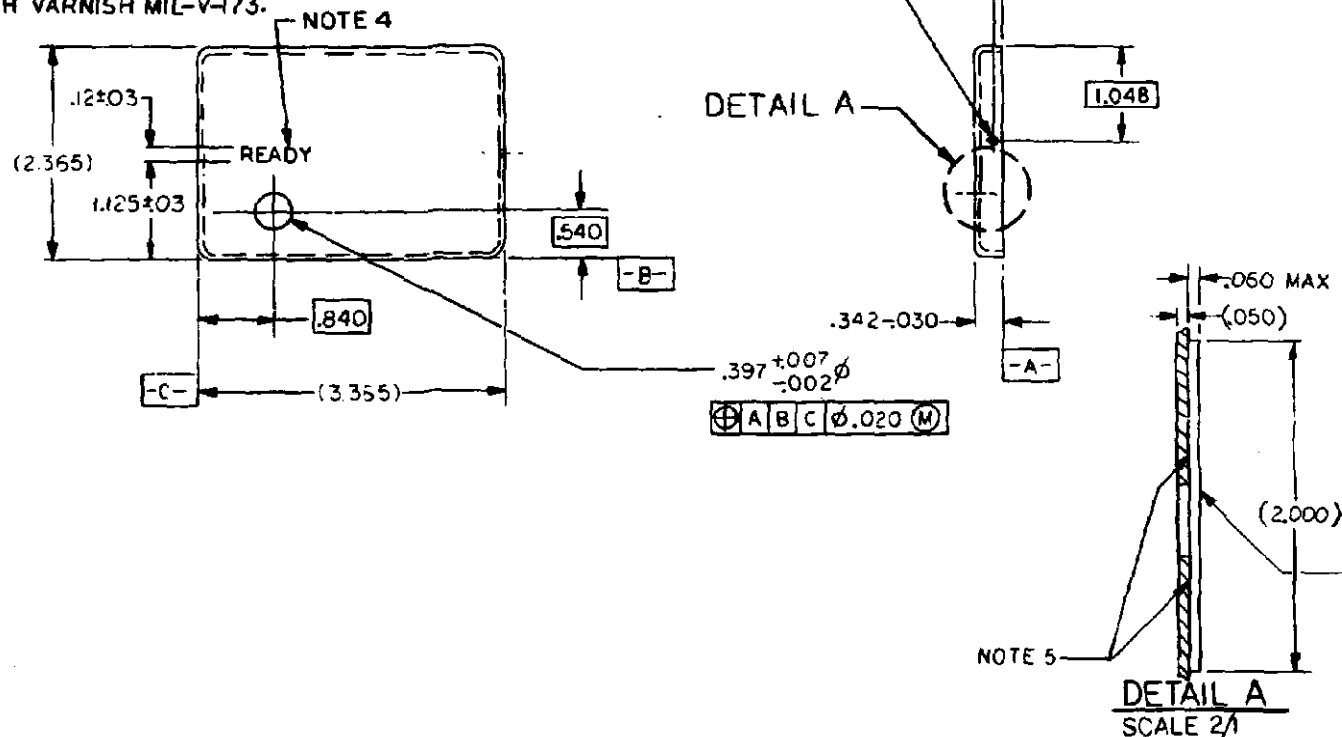
		MEDICAL PROCESSED		DO NOT SCALE DRIVERS UNLESS OTHERWISE SPECIFIED INDICATING FILE IN INDEX		ORIGINAL, DATE OF CHANGES 78-03-01		U S ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER BOWEN, NEW JERSEY 07001		
		TO		TRANSMISSION ON RECORDS & FUNCTIONS &		DATE R.H.M.	CLASS J, &	BOX, MODIFIED		
		BY				DATE	DATE			
9326117 TEST SET M92		BY				Richard McBeth		D 19200	9326115	
FIRST ARMY USED ON		BY				C. K. Kojima				
APPLICATION								SCALE 1/1	USE WFL	PRINT

NOTES

- 1-SPEC MIL-A-2550 AND ANSI Y14.5-1973 APPLY.
- 2-COVER PART NO 9326114 TO BE ALTERED AS SHOWN.
- 3-PROTECTIVE FINISH: FINISH NO.7.2.2 COLOR BLACK NO.37875 SPEC MIL-STD-171.

4-OPTIONAL METHODS OF MARKING ARE AS FOLLOWS

- A-MARK LETTERING WITH INK, MARKING, STENCIL, TYPE I, A-A-208, COLOR WHITE NO.37875 OR INK, MARKING, EPOXY BASE, MIL-I-43553, TYPE I, COLOR WHITE NO. 37875. COAT WITH VARNISH SPEC MIL-V-173.
- B-ENGRAVE LETTERING .02 DEEP, FILLER ENGRAVING, COLOR WHITE NO. 37875, SPEC T-F-325. COAT WITH VARNISH MIL-V-173.



- 5-APPLY ADHESIVE SPEC MMM-A-130, TYPE I OR II, TO AREAS SHOWN AND CENTER PLASTIC, TRANSPARENT-12624734 WITH RESPECT TO .397 DIA HOLE.

- 6- FOR SPARE PARTS REQUIREMENT ONLY SEE MIL-W-63150(AR).

SEE SEPARATE PARTS LIST - 9326116

ALTERED ITEM DRAWING
PART NO. 9326116

9326117		TEST SET M92	MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 78-03-01		U.S. ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER DOVER, NEW JERSEY 07801	
NEXT REV		USED ON	VP	TS	TOLERANCES ON DECIMALS =		DRAFTSMAN RJK		CHECKER RJK	
			EL2	RR	FRACTIONS = ANGLES =		ENGR RJK		ENGR RJK	
			BN				L. L. J. J. J.			
			BN				C. J. J. J. J.			
APPLICATION							SIZE C		CAGE CODE 19200	
							SCALE 1/1		UNIT WT.	
									SHEET	

DISTRIBUTION STATEMENT A
APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

DUPLICATE ORIGINAL

ARMAMENT RESEARCH DEVELOPMENT & ENGINEERING CENTER
DOVER, NEW JERSEY 07801-5001

PARTS LIST PL-9326116
DOCUMENT/PART NUMBER C 9326116
COVER, MODIFIED
CHANGE CONTROL NUMBER W6D2012

CURRENT CAGE CD. 19200 - ORIGINAL CAGE CD. 19200

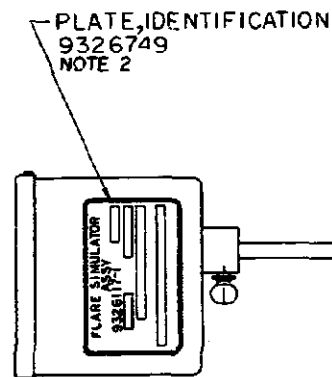
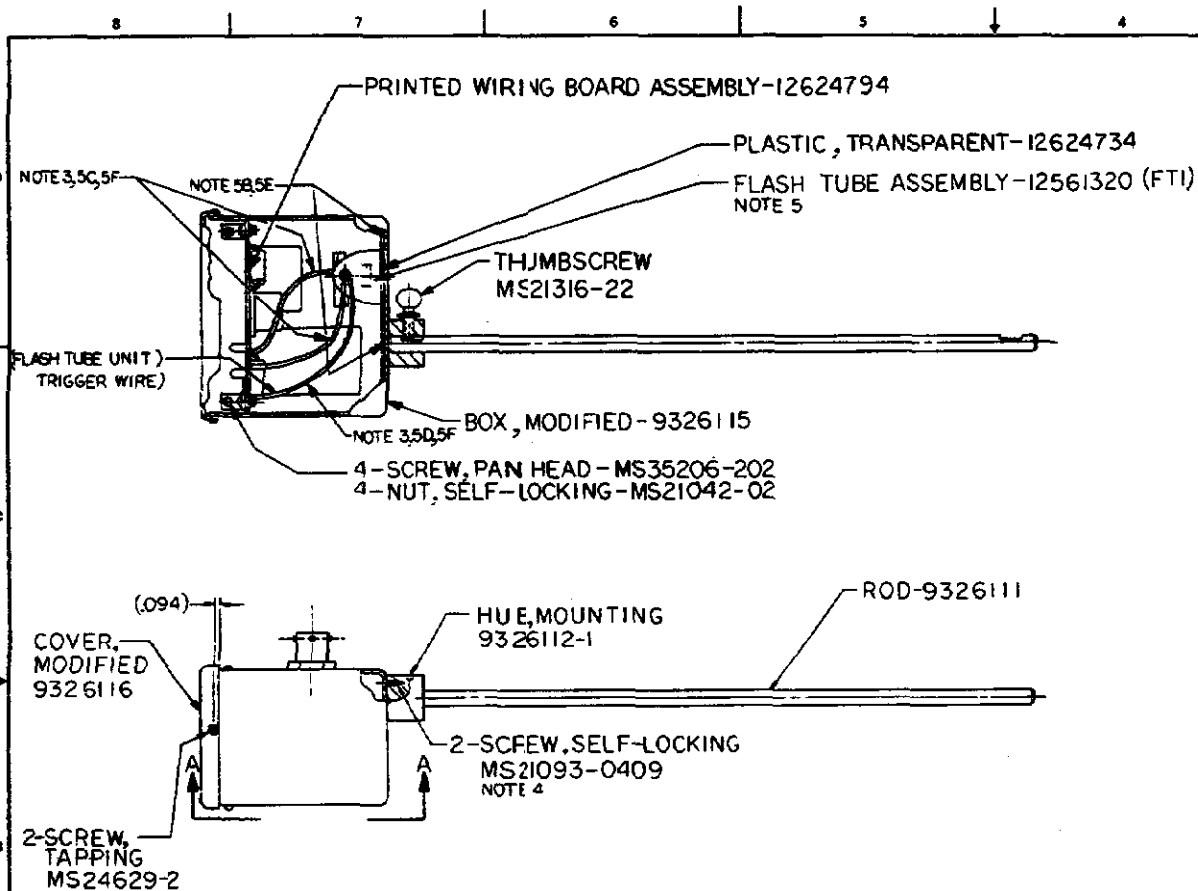
REV. DATE
REVISION LETTER
SHEET 1
ORIG. DATE 06 JUL 88

AUTHENTICATION- *John Antanas*

FND	QTY	UNIT	CAGE	PART OR	DRAWING/DOCUMENT	NOMENCLATURE OR DOCUMENT TITLE
NO.	REQ	MEAS	CD.	IDENTIFYING NO	SIZE	NUMBER
AR				9326114	C 9326114	COVER
1				12624734	12624734	
AR				MIL-I-43553-W	MIL-I-43553	INK, MARKING, WHITE
AR				MIL-V-173	MIL-V-173	VARNISH, MOISTURE RESISTANT
AR				MM-A-130-T1	MM-A-130-T1	
AR	81349			MM-A-130-T2	MM-A-130	ADHESIVE, CONTACT, TYPE 2
AR				TT-F-325-W	TT-F-325	FILLER, ENGRAVING, STAMPED MARKING, WHITE

SUP
LST

TOTAL NUMBER OF SHEETS 1



VIEW A-A

1. SPEC MIL-A-80280 AND ANSI Y14.9-1973 APPLY.
2. IDENTIFICATION PLATE SHALL BE CENTRALLY LOCATED AS SHOWN.
3. SOLDER IN ACCORDANCE WITH MIL-S-88742 (UNIT PARA 3.5.1.2) USING SOLDER 50/50 OR 60/40 TYPE 3, SPEC QQ-S-871.
4. MOUNT HUB, MOUNTING TO BOX, MODIFIED BEFORE ATTACHING PLASTIC, TRANSPARENT TO THE BOX, MODIFIED.
5. FLASH TUBE UNIT ASSEMBLY PROCEDURE
 - (a) REMOVE LENS FROM FLASH TUBE UNIT AND DISCARD.
 - (b) COAT MATING SURFACES OF PLASTIC, TRANSPARENT AND BOX, MODIFIED WITH ADHESIVE, CONTACT, SPEC MIL-A-130, TYPE I OR II, OR MIL-A-1617 TYPE III AND ATTACH.
 - (c) SOLDER 2-WIRES, MS1044/12-22-9, 6 INCHES IN LENGTH TO FLASH TUBE UNIT TERMINALS.
 - (d) SOLDER WIRE, MS1044/12-22-9, 3 INCHES IN LENGTH TO FLASH TUBE UNIT TRIGGER WIRE THEN ADD INSULATION SLEEVING, ELECTRICAL, HEAT SHRINKABLE, POLYOLEFIN, CROSS LINKED, CLASS I, MS2306/5-105-0 1 INCH IN LENGTH.
 - (e) COAT MATING SURFACES OF PLASTIC, TRANSPARENT AND FLASH TUBE UNIT WITH ADHESIVE, CONTACT, SPEC MIL-A-130, TYPE I OR II, OR MIL-A-1617 TYPE III, AND ATTACH (FLASH TUBE UNIT SHALL BE CENTERED OVER 1.25 X .75 HOLE IN BOX, MODIFIED).
 - (f) SOLDER TWO SIX INCH LENGTH WIRES AND EXTENDED TRIGGER WIRE TO PADS E, F & G, RESPECTIVELY, OF THE PWB ASSEMBLY.
6. FOR SPARE PARTS REQUIREMENT ONLY SEE MIL-T-83279 (ARD).

REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
-	ERR A8F2501 (REL)	71-03-01	
A	NOR W502012R1 680212	8/07/06	J. L.
B	ERR 29Z21278P	9/08/26	
	RECP 67D2007 870523		

SEE SEPARATE PARTS LIST-9326117.

PART NO. 9326117-1

DO NOT SCALE DRAWING		ORIGINAL DATE OF DRAWING 78-03-01		U.S. ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER BURLINGTON, NEW JERSEY 07001	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY J. L.		CHECKED BY J. L.	
TOLERANCES UNLESS OTHERWISE SPECIFIED		DATE 8/2/06		DATE 8/2/06	
FRACTIONS 1/16 INCHES & SMALLER		APPROVED BY J. L.		DATE 8/2/06	
TEST SET M200		APPROVED BY J. L.		DATE 8/2/06	
REVISION		APPROVED BY J. L.		DATE 8/2/06	
APPLICATION		APPROVED BY J. L.		DATE 8/2/06	
PART NO. 9326117		CASE CODE D 19200		9326117	
SCALE 1/1		UNIT WT.		SHEET	

ARMAMENT RESEARCH DEVELOPMENT & ENGINEERING CENTER
DOVER, NEW JERSEY 07801-5001

PARTS LIST PL-9326117
DOCUMENT/PART NUMBER D 9326117
FLARE SIMULATOR ASSEMBLY
CHANGE CONTROL NUMBER W6D2912

CURRENT FSC# NO. 19200 - ORIGINAL FSC# NO. 19200

REV. DATE 06 JUL 88
REVISION LETTER A

SHEET 1

ORIG. DATE 01 MAR 78

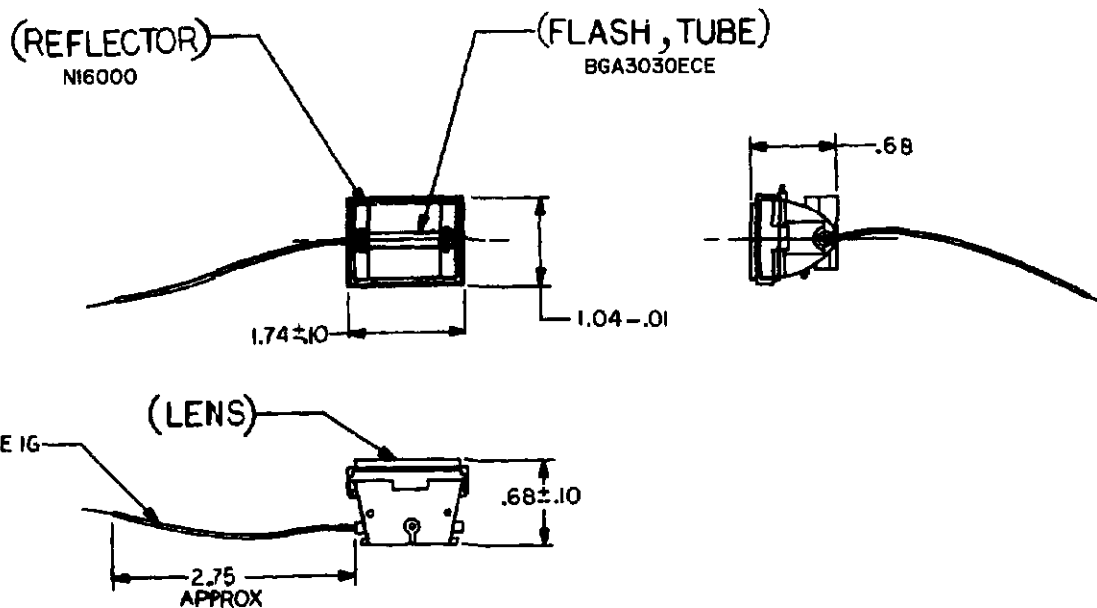
AUTHENTICATION-

John Antonacos

FND QTY UNIT FSC#	PART OR	DRAWING/DOCUMENT	NOMENCLATURE OR DOCUMENT TITLE	SUP
NO. REQ REAS NO. IDENTIFYING NO	SIZE	NUMBER		LST
1	9326111	C 9326111	ROD	
1	9326112-1	C 9326112	HUB, MOUNTING	
1	9326115	D 9326115	BOX, MODIFIED	
1	9326116	C 9326116	COVER, MODIFIED	
1	9326749	C 9326749	PLATE, IDENTIFICATION	
1	12561320	C 12561320	FLASH TUBE ASSEMBLY	
1	12624734	C 12624734	PLASTIC TRANSPARENT	
1	12624794	D 12624794	PRINTED WIRING BOARD ASSY	
4	96906 MS21042-02	MS21042	NUT, SELF LOCKING	
4	96906 MS21093-0400	MS21093	SCREW, SELF-LOCKING, 250 DEG F, STEEL, 55 KSI FTU FLAT	
1	96906 MS21316-22	MS21316	THUMBSCREW, FLAT POINT, CARBON STL, CAD PLATED, UNC-2A	
4	96906 MS35206-202	MS35206	SCREW, PAN HEAD	

TOTAL NUMBER OF SHEETS 1

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
C	NOR G5F2000 950213	950406	HJS



NOTES: -

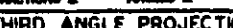
1- REQUIREMENTS:

- A- NOMINAL FLASH ENERGY, 25 WS
 - B- VOLTAGE RANGE 270/360 VDC
 - C- NOMINAL VOLTAGE, 330 VDC
 - D- MIN TRIGGER VOLTAGE 1ST POS PEAK, 8KV
3RD POS PEAK, 3KV
 - E- FREQUENCY 140KHz
 - F- MIN PRIMARY TRIGGER VOLTAGE USING TRIGGER
COIL AND TRIGGER CAPACITOR .047 uF, 200V.
 - G- WIRE, INSULATED, COLOR WHITE, GAGE 26.
2. IDENTIFICATION OF THE "SUGGESTED SOURCE OF SUPPLY" HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM.

3- SUGGESTED SOURCE OF SUPPLY:

EG & G OPTOELECTRONICS
HEIMANN DIV.
221 COMMERCE DRIVE
MONTGOMERYVILLE, PA 18936-9641
PART NO. N16000/BGA3030ECE

SPECIFICATION CONTROL DRAWING
PART NO.12561320

						U.S. ARMY		
		MECHANICAL PROPERTIES	DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 86 - 05 - 05		ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, NEW JERSEY 07806-5000	
		VP	TOLERANCES ON DECIMALS = FRACTIONS = ANGLES =		DRAWNMAN ENG'R <i>JA</i>	CHECKER ENGR <i>cm</i>	FLASH TUBE ASSEMBLY	
		TS	THIRD ANGLE PROJECTION		ENGR	ENGR		
		EL2			Reg-.../11 Hjal...		SIZE C	CAGE CODE 19200
		SA			Anla Machuga		12561320	
9326117	TEST SET MS2	BH					SCALE 1/1	UNIT WT.
NEXT ASSY	USED ON	RH					SHEET	
APPLICATION								

**DISTRIBUTION STATEMENT: DISTRIBUTION
AUTHORIZED TO DoD AND DoD CONTRACTORS
ONLY. ADMINISTRATIVE OR OPERATIONAL USE,
912717Y-44-001. OTHER REQUESTS FOR
THIS DOCUMENT SHALL BE REFERRED TO ARDEC,
BMCAR-ESW, ROCK ISLAND, IL.**

DRAWING SIZE C 4

3

2

1

NOTES:-

1- REQUIREMENTS:-

A- TYPE: 453

B- VENDOR PART NO.

CAPACITANCE (uF)

VOLTAGE (VDC)

1- 232A1E472K

.0047

400

2- 232A1E223K

.022

400

3- 232A1Z105K

1.0

35

C- RATED OPERATION FROM -55C TO + 85C.

2- IDENTIFICATION OF THE SUGGESTED SOURCE OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM.

3- SUGGESTED SOURCE OF SUPPLY:

ELECTROCUBE INC.

1710 SOUTH DEL MAR AVE.

SAN CARRIEL, CA. 91778

VENDOR PART NO. (SEE TABLE)

FSCN NO. 56289

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
-	PRODUCT BASELINE ENR REQ2012R1	88-07-06	<i>John P. A. Carr</i>
A	NORMON2156 901127	91-01-22	<i>ALL</i> <i>W. A. Carr</i>

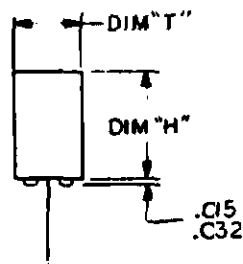
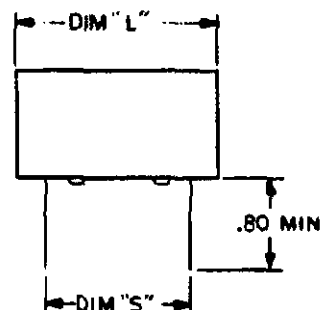


TABLE					
PART NO.	DIM "T" ± .01	DIM "H" ± .01	DIM "L" ± .01	DIM "S" ± .015	(VENDOR PART NO.)
11624724-1	.18	.30	.42	.300	SEE NOTE 181
11624724-2	.18	.30	.55	.400	SEE NOTE 182
11624724-3	.24	.37	.55	.400	SEE NOTE 183

SPECIFICATION CONTROL DRAWING
PART NO. SEE TABLE

		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 85-07-29		U.S. ARMY ARMAMENT ENGINEERING RESEARCH AND DEVELOPMENT CENTER FORT MONMOUTH, NEW JERSEY 07006-5000	
		YP		TOLERANCES ON DECIMALS ±		DRAFTSMAN SAS		CHECKER HWL	
		TS		FRACTIONS ± ANGLES ±		ENGR J. A.		ENGR C. A.	
		EL2		THIRD ANGLE PROJECTION		ENGR		ENGR	
		RA				<i>Revised by J. A. Carr</i> <i>Charles Moching</i>		SIZE C 19200 SCALE 9/1 UNIT WT. SHEET	
		BN							
12624794 TEST SET M92		RN							
NEXT ASSY USED ON									
APPLICATION									

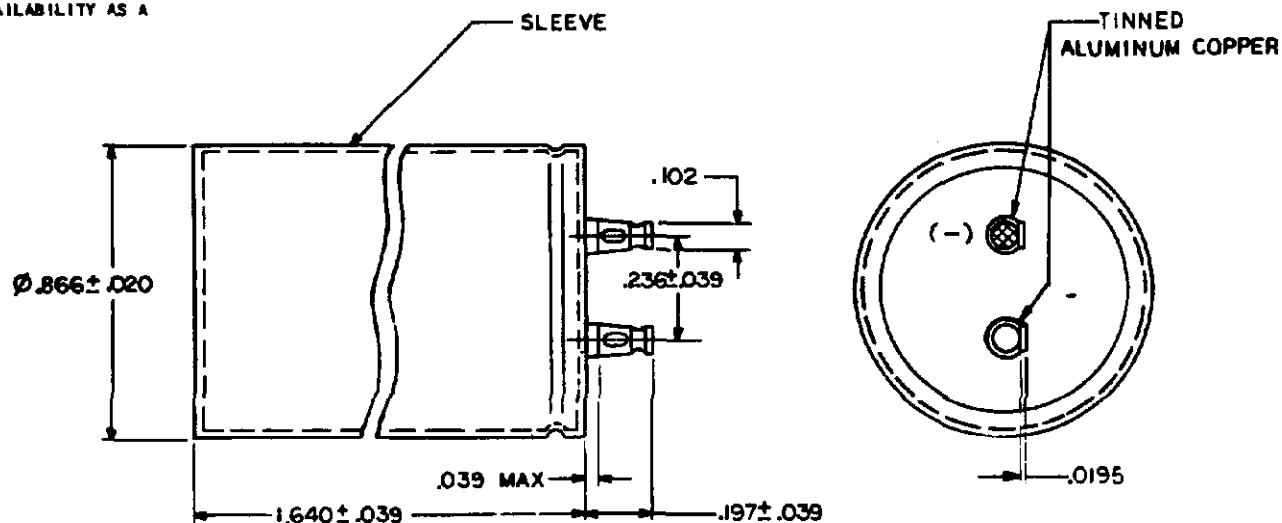
NOTES:-

1. REQUIREMENTS:-

- A- OPERATING TEMPERATURE RANGE -20°C TO +55°C
B- RATED VOLTAGE 330V 81-400μF, 330 VOLTS
C- SURR: VOLTAGE 350V
D- CAPACITANCE TOLERANCE (120 Hz) -20 ~ +20%
E- LEAKAGE CURRENT (μA MAX)- SHALL NOT EXCEED 1 (μA) = 1XC
(C= CAPACITANCE (μF))
F- DISSIPATION FACTOR (TAN δ) 120 Hz 25°C:- CAPACITANCE ≤ 200 μF-
OF 0.055, CAPACITANCE 201 ~ 300 μF -OF 0.06, CAPACITANCE
301 ~ 500 μF, DF 0.07.
G- CHANGE / DISCHARGE TEST:- TEST CONDITION- CHARGE / DISCHARGE AT
RATED VOLTAGE AT 5~35°C WITH A SWITCH SEQUENCE OF 30 SECONDS FOR
5000 TIMES VIA X₆ FLASH TUBE. CAPACITANCE CHANGE- WITHIN ± 8% OF
THE INITIAL VALUE. DF (TAN δ) -LESS THAN 130% OF THE VALUE GIVEN IN
REQUIREMENT F. LEAKAGE CURRENT- LESS THAN 130% OF THE VALUE GIVEN IN
REQUIREMENT E.
H- SHELF LIFE TEST:- TEST CONDITION- STORAGE WITHOUT VOLTAGE APPLIED
AT 70°C FOR 500 HOURS AND MEASURED AT 25° ± 5°C CAPACITANCE CHANGE-
WITHIN ± 8% OF THE INITIAL VALUE, DF (TAN δ) - LESS THAN 130% OF THE
VALUE GIVEN IN REQUIREMENT F. LEAKAGE CURRENT- LESS THAN 130% OF THE
VALUE GIVEN IN REQUIREMENT E.
I- OTHERS:- COMPLY WITH EIAJ-RC-801.
J FXT SERIES (DOUBLE FOIL STRUCTURE LOW DISSIPATION FACTOR).

2. IDENTIFICATION OF THE SUGGESTED SOURCE OF SUPPLY HEREON IS NOT TO BE
CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A
SOURCE OF SUPPLY FOR THE ITEM.

3. SUGGESTED SOURCE OF SUPPLY:
RULYCON AMERICAN, INC.
4293 LEE AVE
GURNEE, ILLINOIS 60031
VENDOR PART NO. 330 FK 400



SPECIFICATION CONTROL DRAWING

PART NO. 12624726

		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 85-07-29		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL NEW JERSEY 07806-5000	
		VP		TOLERANCES ON DECIMALS		DRAFTSMAN SAS		CAPACITOR, ELECTROLYTIC (PHOTO FLASH)	
		TS		FRACTIONS		CHECKER YUZ			
		EL2		ANGLES		ENGR J. A.			
		RA				ENGR			
12624794		TEST SET M92				Regimental 21. April		CAGE CODE 19200	
NEXT ARMY		USED ON				Charles Mockinger		12624726	
APPLICATION								SCALE 4/1	
								UNIT WT.	
								SHEET	

NOTES:-

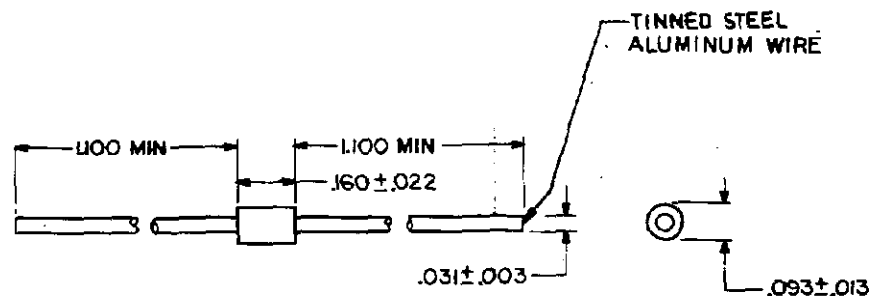
1-REQUIREMENTS:-

- A-AXIAL LEAD SILICON RECTIFIERS - 750 mA TO 6AMPS
- B-TEMPERATURE RANGE -65° TO +175°C.
- C-CASE STYLE:- DO-41
- D-V_{RRM} - 400 VOLTS

- 2-IDENTIFICATION OF THE SUGGESTED SOURCE OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM.
- 3-SUGGESTED SOURCE(S) OF SUPPLY:-

INTERNATIONAL RECTIFIER CORP
233 KANSAS STREET
EL SEGUNDO, CA 90245
VENDOR PART NO. IN4004
FSCM NO. 59993

REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
-	PRODUCT BASELINE ERR W6D2012R1	880706	W. J. A. cm



SPECIFICATION CONTROL DRAWING

PART NO. 12624727

		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 85-07-29		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL NEW JERSEY 07806-5000	
		TP		TOLERANCES ON DECIMALS ±		DRAFTSMAN SAS	CHECKER J. A.	SEMICONDUCTOR DEVICE, DIODE	
		TS		FRACTIONS ± ANGLES ±		ENGR J. A.	ENGR J. A.		
		EL				ENGR	ENGR		
		RA							
12624794	TEST SETM92	SH				 Charles Mochrege		SIZE C	CAGE CODE 19200
NEXT ASSY	USED ON	RH						SCALE 4/1	UNIT WT.
APPLICATION								12624727	
								SHEET	

DRAWING SIZE B
(ARRADCOM 70-12)

NOTES:-

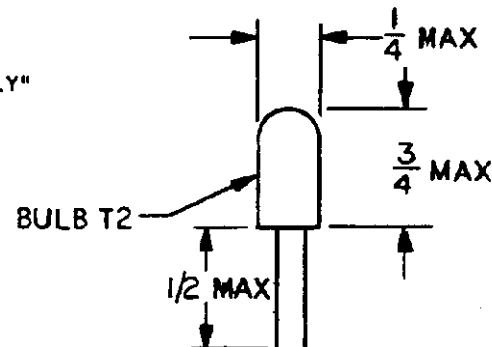
1- REQUIREMENTS:-

- A- AMPERAGE ----- 1.9 mA
 B- VOLTAGE ----- 105 - 125VAC
 C- WATTAGE ----- 1/4 W
 D- TYPE T-2

2- IDENTIFICATION OF THE "SUGGESTED SOURCE OF SUPPLY"
 HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF
 PRESENT OR CONTINUED AVAILABILITY AS A SOURCE
 OF SUPPLY FOR THE ITEM.

3- SUGGESTED SOURCE OF SUPPLY:-

GENERAL ELECTRIC CO.
 LIGHTING BUSINESS GROUP
 1705 NOBLE
 CLEVELAND, OHIO 44112
 FSCM NO. 08805
 PART NO. NE2H (C2A) (CHICAGO-MINATURE)



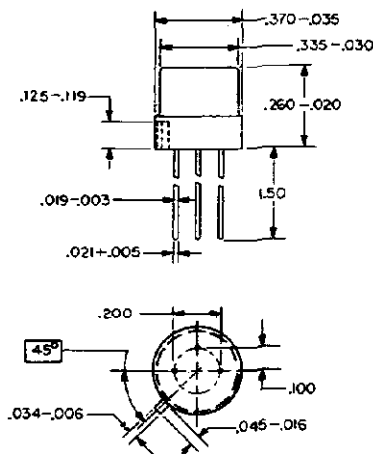
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-	PRODUCT BASELINE ERR #602012R1	880706	J.A. OM

SPECIFICATION CONTROL DRAWING PART NO. 12624729

		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 85 - 07 - 29		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, NEW JERSEY 07806-5000	
		YP		TOLERANCES ON DECIMALS ± FRACTIONS ± ANGLES ±		DRAFTSMAN IPF	CHECKER JAW	LAMP, NEON	
		TS				ENGR J.A.	ENGR OM		
		EL2				ENGR	ENGR		
		RA							
12624794		TESTSET M92	BH			Approved by: [Signature]		SIZE B	CAGE CODE 19200
NEXT ASSY		USED ON	RH			[Signature]		12624729	
APPLICATION								SCALE 2/1	UNIT WT.
								SHEET	

NOTES: -

- | REVISIONS | | | |
|-----------|------------------------------------|--------|---------------|
| DATE | DESCRIPTION | BY | APPROVED |
| — | PRODUCT BASELINE
ERR WSD2012 R1 | 880706 | not on
p.2 |



MAXIMUM RATINGS

RATING	SYMBOL	2N4237	UNIT
COLLECTOR-EMITTER VOLTAGE	V_{CE}	40	Vdc
COLLECTOR-BASE VOLTAGE	V_{CB}	30	Vdc
EMITTER-BASE VOLTAGE	V_{EB}	6.0	Vdc
COLLECTOR CURRENT - CONTINUOUS*	I_C	1.0 3.0	A _{dc}
BASE CURRENT - CONTINUOUS	I_B	600	mA _{dc}
TOTAL DEVICE DISSIPATION @ $T_C = 25^\circ\text{C}$ DERATE ABOVE 25°C	P_D	6.0 34	WATTS mW/°C
OPERATING AND STORAGE JUNCTION TEMPERATURE RANGE	T_J, T_{stg}	-65 to +200	°C

THERMAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX	UNIT
THERMAL RESISTANCE, JUNCTION TO CASE	θ_{JC}	29	$^{\circ}\text{C/W}$

*THE 1.0 AMP MAXIMUM I_S VALUE IS BASED UPON JEDEC CURRENT GAIN REQUIREMENTS
THE 3.0 AMP MAXIMUM VALUE IS BASED UPON ACTUAL CURRENT-HANDLING CAPABILITY
OF THE DEVICE.

ELECTRICAL CHARACTERISTICS ($T_c = 25^\circ\text{C}$ UNLESS OTHERWISE NOTED)

CHARACTERISTIC	FIG. NO.	SYMBOL	MIN	MAX	UNIT
OFF CHARACTERISTICS					
COLLECTOR-EMITTER SUSTAINING VOLTAGE (1) ($I_C = 100 \text{ mA dc}$, $I_B = 0$)	2N4237	$V_{CE(sus)}$	40	-	V _{dc}
COLLECTOR CUTOFF CURRENT ($V_{CE} = \text{RATED } V_{CE0}$, $I_B = 0$)	-	I_{CE0}	-	0.7	mA _{dc}
COLLECTOR CUTOFF CURRENT ($V_{CE} = 25 \text{ Vdc}$, $I_{B(off)} = 1.5 \text{ Vdc}$)	12	I_{CEX}	-	0.1	mA _{dc}
($V_{CE} = 75 \text{ Vdc}$, $I_{B(off)} = 1.5 \text{ Vdc}$)	-	-	-	0.1	-
($V_{CE} = 90 \text{ Vdc}$, $I_{B(off)} = 1.5 \text{ Vdc}$)	-	-	-	0.1	-
($V_{CE} = 30 \text{ Vdc}$, $I_{B(off)} = 1.5 \text{ Vdc}$, $T_C = 150^\circ\text{C}$)	-	-	-	1.0	-
($V_{CE} = 90 \text{ Vdc}$, $I_{B(off)} = 1.5 \text{ Vdc}$, $T_C = 150^\circ\text{C}$)	-	-	-	1.0	-
($V_{CE} = 70 \text{ Vdc}$, $I_{B(off)} = 1.5 \text{ Vdc}$, $T_C = 150^\circ\text{C}$)	-	-	-	1.0	-
COLLECTOR CUTOFF CURRENT ($V_{CB} = \text{RATED } V_{CB0}$, $I_E = 0$)	-	I_{CB0}	-	0.1	mA _{dc}
EMITTER CUTOFF CURRENT ($V_{EB} = 6.0 \text{ Vdc}$, $I_C = 0$)	-	I_{EB0}	-	0.5	mA _{dc}
ON CHARACTERISTICS					
DC CURRENT GAIN (1) ($I_C = 50 \text{ mA dc}$, $V_{CE} = 1.0 \text{ Vdc}$)	8	β_{FE}	30	-	-
($I_C = 250 \text{ mA dc}$, $V_{CE} = 1.0 \text{ Vdc}$)	-	-	30	150	-
($I_C = 500 \text{ mA dc}$, $V_{CE} = 1.0 \text{ Vdc}$)	-	-	30	-	-
($I_C = 1.0 \text{ A dc}$, $V_{CE} = 1.0 \text{ Vdc}$)	-	-	15	-	-
COLLECTOR-EMITTER SATURATION VOLTAGE (1) ($I_C = 500 \text{ mA dc}$, $I_B = 50 \text{ mA dc}$)	9, 11, 13	$V_{CE(sat)}$	-	0.3	V _{dc}
($I_C = 1.0 \text{ A dc}$, $I_B = 0.1 \text{ A dc}$)	-	-	-	0.6	-
BASE-EMITTER SATURATION VOLTAGE (1) ($I_C = 1.0 \text{ A dc}$, $I_B = 0.1 \text{ A dc}$)	-	$V_{BE(sat)}$	-	1.6	V _{dc}
BASE-EMITTER ON VOLTAGE (1) ($I_C = 250 \text{ mA dc}$, $V_{CE} = 1.0 \text{ Vdc}$)	11, 13	$V_{BE(on)}$	-	1.0	V _{dc}
DYNAMIC CHARACTERISTICS					
CURRENT-GAIN-BANDWIDTH PRODUCT ($I_C = 100 \text{ mA dc}$, $V_{CE} = 10 \text{ Vdc}$, $f = 1.0 \text{ MHz}$)	-	f_T	2.0	-	MHz
OUTPUT CAPACITANCE ($V_{CB} = 10 \text{ Vdc}$, $I_E = 0$, $f = 0.1 \text{ MHz}$)	-	C_{ob}	-	100	pF
SMALL-SIGNAL CURRENT GAIN ($I_C = 100 \text{ mA dc}$, $V_{CE} = 10 \text{ Vdc}$, $f = 1.0 \text{ kHz}$)	-	h_{fe}	30	-	-

(1) PULSE TEST: PULSE WIDTH=300 μ s, DUTY CYCLE=2.0%

SPECIFICATION CONTROL DRAWING
PART NO. 12624730

[illegible]

NOTES:-

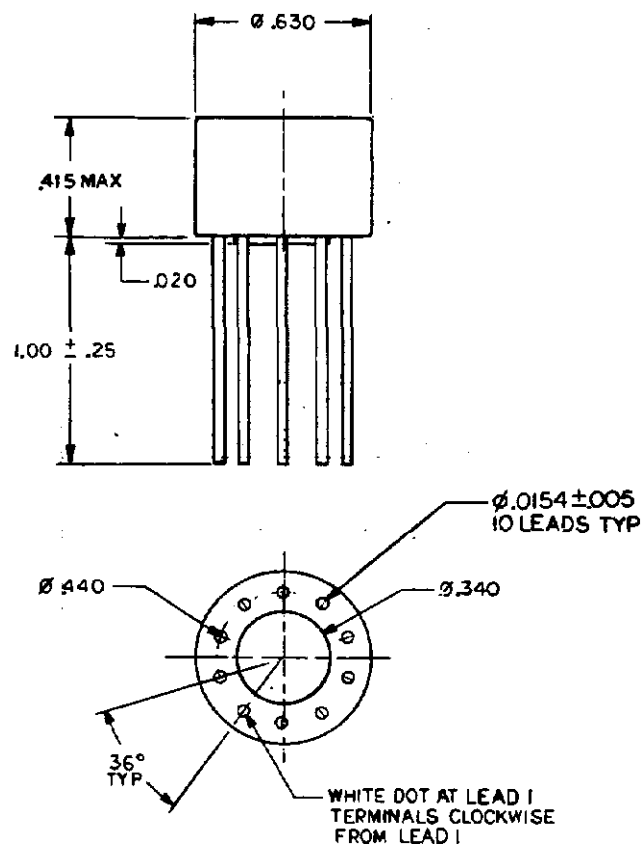
1- REQUIREMENTS:-

- A- VOLTAGE (BRIDGE) -300V
- B- WATTAGE -----5W
- C- DC INPUT -----5V
- D- TEMPERATURE RANGE -55 TO + 105°C
- E- SIZE 3

2- IDENTIFICATION OF THE SUGGESTED SOURCE OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM.

3- SUGGESTED SOURCE OF SUPPLY:-

PICO ELECTRONICS, INC.
453 N. MACQUESTEN PKWY
MT VERNON, NY 10552
PART NO. 33192
FSCM NO. 31669



SPECIFICATION CONTROL DRAWING
PART NO. 12624731

		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 85-07-29		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, NEW JERSEY 07806-5000	
		TP		TOLERANCES ON DECIMALS ±		DRAFTSMAN LC	CHECKER J.D.	TRANSFORMER, CONVERTER (DC TO DC)	
		TS		FRACTIONS ± ANGLES ±		ENDOR J.D.	ENDOR J.D.		
		EL2				ENDOR	ENDOR		
		RM				Approved M. M. Mohr			
12624794	TEST SET MS2	SN				Charles Mocking			
NEXT ASSY	USED ON	RM							
APPLICATION								SIZE C	CAGE CODE 19200
								SCALE	UNIT WT.
								SHEET	

NOTES:-

1- REQUIREMENTS:-

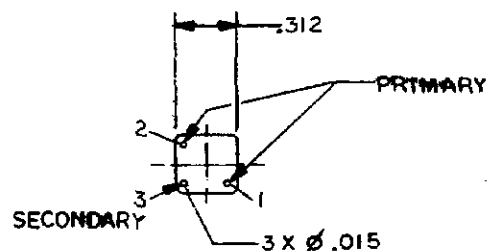
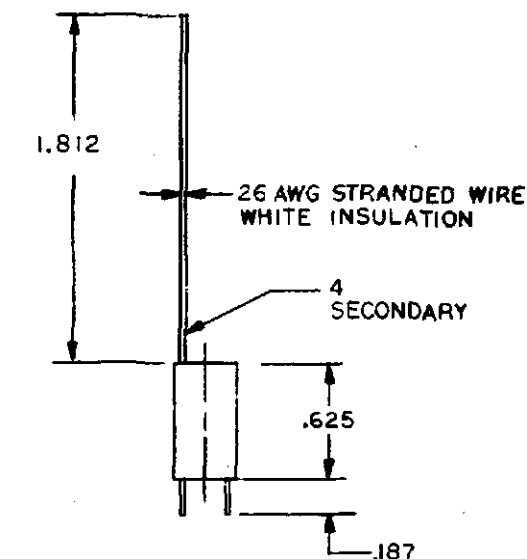
A- MAXIMUM RATINGS:- OUTPUT, VOLTS- 11,000V ENERGY- 10 mWS
INPUT, VOLTS - 300V POWER- .5W

B- TURNS RATIO- 1:36-38

2- IDENTIFICATION OF THE "SUGGESTED SOURCES OF SUPPLY" HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM.

3- SUGGESTED SOURCES OF SUPPLY:-

EG & G OPTOELECTRONICS
HEIMANN DIV.
221 COMMERCE DRIVE
MONTGOMERYVILLE, PA 18936-9641
PART NO. ZS 1052-1



REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	NOR G5F2000 950213	950406	HJS

SPECIFICATION CONTROL DRAWING

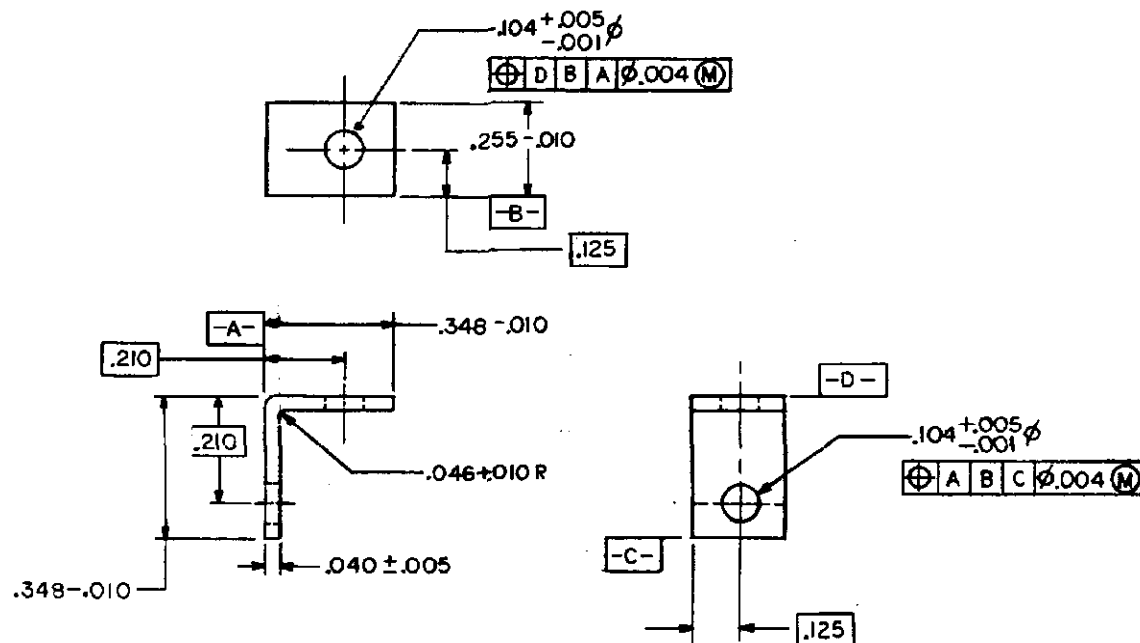
PART NO. 12624732

		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 85-07-29		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, NEW JERSEY 07806-5000	
		TP		TOLERANCES ON DECIMALS ±		DRAFTSMAN IPF	CHECKER JWF	TRANSFORMER, TRIGGER	
		TS		FRACTIONS ± ANGLES ±		ENGR a	ENGR bm		
		EL2				ENGR	ENGR		
		RA							
12624794	TEST SET M92	BH				Approved W. Z. Zuber		SIZE C	CAGE CODE 19200
NEXT ASSY	USED ON	RH				Charles Mordenga		SCALE 2/1	UNIT WT.
APPLICATION								SHEET	

NOTES: -

- 1- SPEC MIL-A-2550 AND ANSI Y14.5-1973 APPLY.
- 2- MATERIAL:- ALUMINUM ALLOY SHEET, 1100-0 SPEC QQ-A-250/1.
- 3- PROTECTIVE FINISH NO. 7.2.2 COLOR BLACK NO. 37038, MIL-STD-171.

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-	PRODUCT BASELINE ERR WSD2012R1	880706	<i>W. J. A.</i>



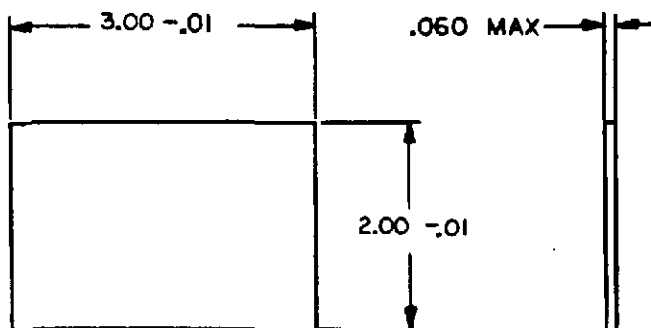
PART NO. 12624733

		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 85-07-29		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, NEW JERSEY 07806-5000	
		YP		TOLERANCES ON DECIMALS ±		DRAFTSMAN SAS		CHECKER <i>W. J. A.</i>	
		TS		FRACTIONS ± ANGLES ±		ENGR <i>J. A.</i>		ENGR <i>W. J. A.</i>	
		EL2				ENGR		ENGR	
		RA				ENGR		ENGR	
12624794		TEST SET M32				Reginald W. Mabe		CAGE CODE 19200	
NEXT ASSY		USED ON				Charles Mahan		12624733	
APPLICATION								SCALE 4/1	
								UNIT WT.	
								SHEET	

NOTES:-

- 1- SPEC MIL-A-2550 AND ANSI Y14.5-1973 APPLY.
2- MATERIAL: PLASTIC SHEET, CLEAR TYPE I, GRADE A1, SPEC L-P-391.

NEVIBSON			
SYM	DESCRIPTION	DATE	APPROVAL
-	PRODUCT BASELINE ERR PG02012 R	880706	<i>g.a.</i>
A	NORMON21S6 901127	910122	<i>ALL HCN</i>



		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 85-07-29		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER MCATYNNY ARSENAL, NEW JERSEY 07806-5000	
		IP		TOLERANCES ON DECIMALS ±		DRAFTSMAN IPF		CHECKER WJL	
		IS		FRACTIONS ± ANGLES ±		ENGR JL		ENGR WJL	
		LS				ENGR		ENGR	
		LA				ENGR		ENGR	
9326116		IN				Approved M. J. [Signature]		SIZE C	
9326117		IN				Charles Mochinga		CAGE CODE 19200	
NEXT ASSY		IN						12624734	
USED ON								SCALE 2/1 UNIT WT.	
APPLICATION								SHEET	



REF DESIGNATION	PART NO. OR TYPE DESIGNATION	SPEC NO.	REMARKS	NO. REQ'D
C1	12824724-1		1.0 uF, 35V	1
C2	12824724-1		.0047 uF, 400V	1
C3	12824728		400 uF, 350V	1
C4	12814724-2		.022 uF, 400V	1
D1	12814727		1N4004	1
FT1	12814730		5022233-1NFT25	1
L1	12824729		50MP, NEG. 500V	1
R1	12814730		294237	1
R2	RCND78101	WIL-R-35008/1	100 Ω , 1/4 W	1
R3	RCND78334	WIL-R-35008/1	250K Ω , 1/4 W	1
R4	RCND78629	WIL-R-35008/1	2.5K Ω , 1/4 W	1
R5	RCND78629	WIL-R-35008/1	250 Ω , 1/4 W	1
R6	RCND78564	WIL-R-35008/1	560K Ω , 1/4 W	1
T1	12814731		33192	1
T2	12814732		251082/1	1
Z1	W31142E-B-4P		BNC CONNECTION	1

A	—	A
SHEET 3	SHEET 2	SHEET
REV STATUS OF SHEETS		

NOTE 8

VIEW A-A

SEE SEPARATE PARTS LIST-12624794

PART NO. 1264794

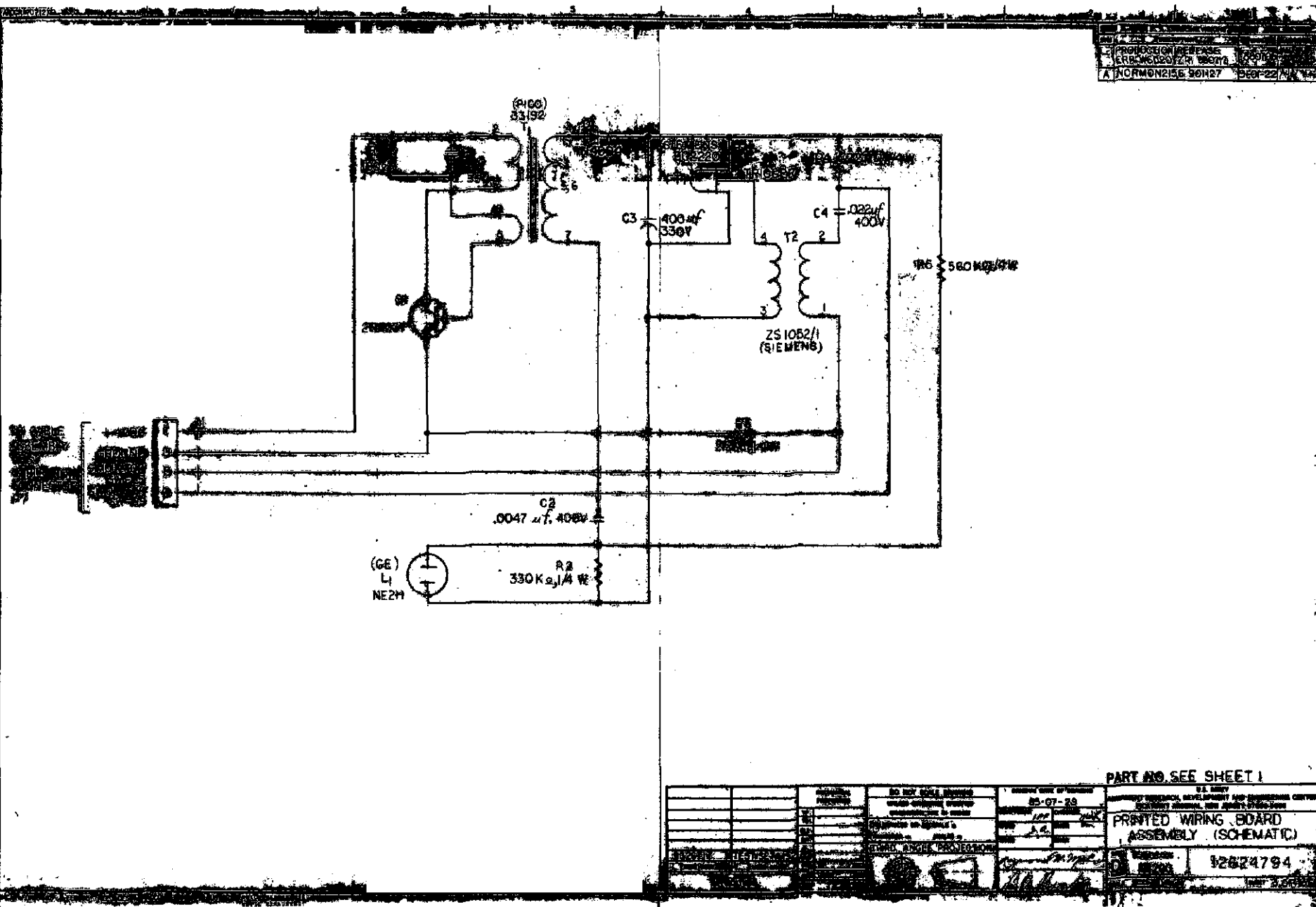
[illegible]

NOTES

- 1- SPEC MIL-A-2550, ANSI Y14.5-1973 AND IPC-DM-770 APPLY.
- 2- SOLDER IN ACCORDANCE WITH MIL-S-45743 (OMIT PARA 3.3.1.1 AND 3.3.1.2), USING SOLDER SN60 OR SN63, TYPE S, SPEC QQ-S-571.
- 3- APPLY A UNIFORM COATING .001 TO .005 INCH THICK OF INSULATION COMPOUND ELECTRICAL TYPE UR, SPEC MIL-I-46056, ON COMPONENTS EXCEPT TRANSPARENT AREAS OF FT1 AND POINTS A,B,C,D,E,F, & G, BOTH SIDES OF BOARD, CURING TIME 3 HOURS MIN. AT 55°C \pm 5°C.
- 4- ALL DESIGNATIONS ON COMPONENTS ARE REFERENCE ONLY.
- 5- WIRE, ELECTRIC, MB1044/12-22-9, SPEC MIL-N-81044/12.
- 6- INSULATION SLEEVING, ELECTRICAL, HEAT SHRINKABLE, POLYOLEFIN, .250 INCH IN LENGTH CROSSLINKED, CLASS 1, M23053/5-103-0 PER MIL-I-23053/5.
- 7- REMOVE AND DISREGARD THE GROMMET ATTACHED AT THE BACK OF THE J1 CONNECTOR MS3114E-8-4P.
- 8- LAY NEON LAMP FLAT AND POT LEADS WITH ADHESIVE, TYPE 1, MIL-A-46146.
- 9- PADS E AND F TO FLASH TUBE UNIT TERMINAL.
- 10- PAD G TO FLASH TUBE UNIT TRIGGER WIRE.
- 11- COAT MATING SURFACES OF CAPACITOR, ELECTROLYTIC AND PAD WITH ADHESIVE CONTACT, SPEC MM-A-1617 TYPE III AND ATTACH.

REVISIONS			
SYN	DESCRIPTION	DATE	APPROVAL
-	PRODUCT BASELINE ERR W602012 R1	880706	<i>HWL</i> on <i>J.A.</i>

		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 85-07-29		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, NEW JERSEY 07806-5000	
						CRAFTSMAN LC	CHECKER <i>HWL</i>	PRINTED WIRING BOARD ASSEMBLY	
						ENGR <i>J.A.</i>	ENGR <i>on</i>		
						ENGR	ENGR		
9326117		TEST SET M92				SCALE		CAGE CODE 19200	12624794
NEXT ASSY		USED ON				UNIT WT.		SHEET 2 OF 3	
APPLICATION									



CURRENT CAGE CD. 19200 - ORIGINAL CAGE CD. 19200

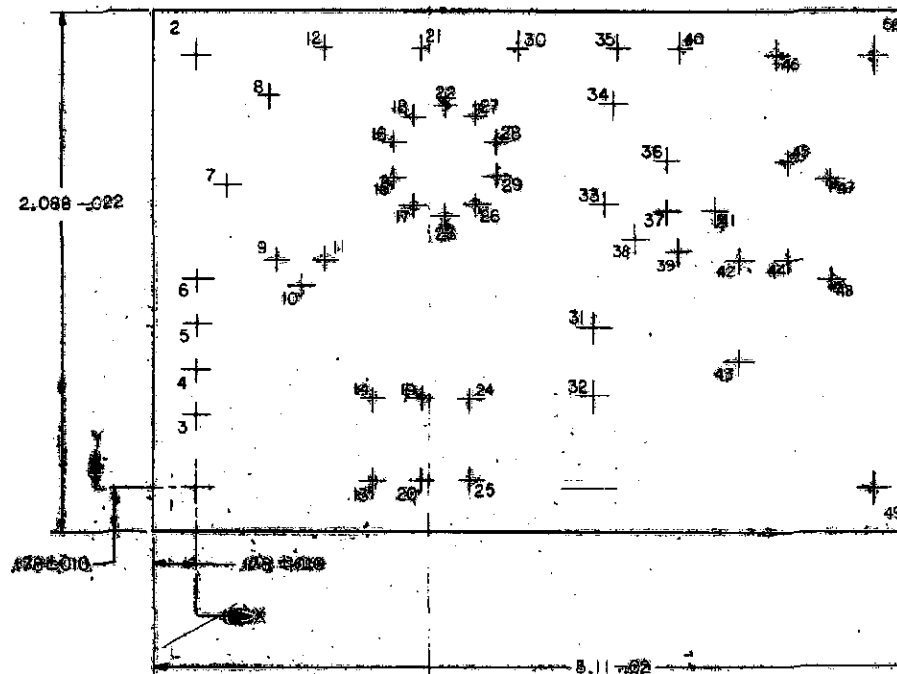
REV. DATE
REVISION LETTER
SHEET 1
ORIG. DATE 06 JUL 98AUTHENTICATION- *John Antonucci*PARTS LIST PL-12624794
DOCUMENT/PART NUMBER J 12624794
PRINTED WIRING BOARD ASSY
CHANGE CONTROL NUMBER W602012

END QTY UNIT CAGE	PART OR	DRAWING/DOCUMENT	NOMENCLATURE OR DOCUMENT TITLE	SUP
NO. REQ MEAS CD. IDENTIFYING NO		SIZE NUMBER		LST
C2 1	12624724-1	C 12624724	CAPACITOR METALLIZED POLYESTER	
C4 1	12624724-2	C 12624724	CAPACITOR METALLIZED POLYESTER	
C1 1	12624724-3	C 12624724	CAPACITOR METALLIZED POLYESTER	
C3 1	12624726	C 12624726	CAPACITOR, ELECTROLYTIC /PHOTO FLASH/	
D1 1	12624727	C 12624727	SEMICONDUCTOR DEVICE, DIODE	
L1 1	12624729	B 12624729	LAMP, NEON	
Q1 1	12624730	J 12624730	SEMICONDUCTOR DEVICE TRANSISTOR	
T1 1	12624731	C 12624731	TRANSFORMER, CONVERTER /DC TO DC/	
T2 1	12624732	C 12624732	TRANSFORMER, TRIGGER	
4	12624733	C 12624733	BRACKET, ANGLE	
1	12624795	D 12624795	BOARD PRINTED WIRING	
1	12909983	C 12909983	PAD	
1	12909985	C 12909985	BRACKET, CAPACITOR	
AR	MIL-A-46146-T1	MIL-A-46146	ADHESIVE SEALANTS, SILICONE, NON-CORROSIVE, TYPE 1	
AR	MIL-I-46058-UR	MIL-I-46058	INSULATING COMPOUND, ELECTRICAL, TYPE UR	
AR	MM-A-1617-T3	MM-A-1617	ADHESIVE, /NITRILE/RUBBER BASE, GP, FUEL RESISTANT	
AR	M23053/5-103-0	MIL-I-23053/5	INSULATION SLEEVING, CLASS 1, .093 ID, COLOR BLACK	
AR	M81044/12-22-9	MIL-W-81044/12	WIRE, ELECTRICAL, INSULATED, AWG 22, WHITE	
2	96905 NAS1831-3A16	A NAS1831	POST, ELECTRICAL-MECHANICAL EQUIPMENT	
R1 1	RCR07G101	MIL-R-39008/1	RESISTOR, FXD, CMPSN, INSUL, ESTAB RELBL, RCR07	
R3 1	RCR07G225	MIL-R-39008/1	RESISTOR, FXD, CMPSN, INSUL, ESTAB RELBL, RCR07	
R4 1	RCR07G226	MIL-R-39008/1	RESISTOR, FXD, CMPSN, INSUL, ESTAB RELBL, RCR07	
R2, R5 2	RCR07G334	MIL-R-39008/1	RESISTOR, FXD, CMPSN, INSUL, ESTAB RELBL, RCR07	
/1/ AR	SN60-S	QQ-S-571	SOLDER, ALLOY, COMP SN60, FLUX TYPE S	
/1/ AR	SN63-S	QQ-S-571	SOLDER, ALLOY, COMP SN63 FLUX TYPE S	
J1 1	96905 MS3114-E-8-4P	MS3114	CONNECTOR, RECPT, ELECT, SERIES 1, ST, JAM NUT, MTG, BAY-COUP	
2	96905 MS21042-02	MS21042	NUT, SELF-LOCKING, 450 DEG F RDCD HEX, RDCD HGT R/B NCRES	
2	96905 MS21090-0201	MS21090	SCREW, SELF-LOCKING, 250 DEG F, STEEL, 55 KSI FTU	
2	96905 MS21090-0202	MS21090	SCREW, SELF-LOCKING, 250 DEG F, STEEL, 55 KSI FTU	
2	96905 MS35206-202	MS35206	SCREW, MACH PANHEAD, CROSS-REC, CS, CADMIUM PLD, UNC-2A	

TOTAL NUMBER OF SHEETS 1

HOLE SIZE (NOTE 3)		
.104 $\pm .003$		
$\Phi 1A \pm .010$		
HOLE BASIC DIMENSIONS		
NO.	X →	Y ↑
1	.000	.000
2	.000	1.720
3	2.715	.000
4	2.775	1.720
HOLE SIZE (NOTE 3)		
.052 $\pm .004$		
$\Phi 1A \pm .010$		
HOLE BASIC DIMENSIONS		
NO.	X →	Y ↑
3	.000	.275
4	.000	.460
5	.000	.640
6	.000	.820
7	.125	1.200
8	.300	1.560
12	.825	1.750
13	.725	.025
14	.725	.345
15	.825	.345
20	.825	.625
21	.825	1.750
24	1.125	.345
25	1.125	.025
30	1.325	1.750
33	1.475	1.125
34	1.505	1.525
35	1.725	1.750
36	1.925	1.500
37	1.925	1.100
38	1.800	.950
39	1.875	.940
40	1.875	1.750
41	2.125	1.100
42	2.325	.900
43	2.325	.600
44	2.425	.900
45	2.425	1.500
46	2.350	1.720
47	2.600	.825
48	2.600	1.225

HOLE SIZE (NOTE 3)		
.112 $\pm .004$		
$\Phi 1A \pm .010$		
HOLE BASIC DIMENSIONS		
NO.	X →	Y ↑
31	1.330	.595
32	1.585	.360
HOLE SIZE (NOTE 3)		
.041 $\pm .003$		
$\Phi 1A \pm .010$		
HOLE BASIC DIMENSIONS		
NO.	X →	Y ↑
9	.255	.900
10	.015	.850
11	.035	.800
15	.205	1.355
16	.245	1.330
17	.485	1.120
18	.895	1.495
22	1.025	1.835
23	1.025	1.060
26	1.180	1.120
27	1.185	1.475
28	1.335	1.375
29	1.335	1.230



PRODUCT BASELINE	ERR W602012 R1
A NORMON2156 90H27	950722

REV	DATE	BY
1	85-07-29	WJG

PART NO. 12624795		85-07-29	
BOARD PRINTED WJG		12624795	
APPLICATION		TEST	

DRAWING SIZE C
(ARRADCOMR 70-12)

4

3

2

1

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
—	PRODUCTION BASELINE ERR W6D2012R1	880706	<i>W. A. J. A.</i>

NOTES: —

- 1- SPEC MIL-A-2550, ANSI Y14.5-1973 AND MIL-P-55110 APPLY.
- 2- MATERIAL:— PLASTIC SHEET, LAMINATED COPPER-CLAD, TYPE FL-GF-062-CO/2 SPEC MIL-P-13949/4
- 3- THE TOP SURFACE OF CONDUCTIVE PATTERNS SHALL BE HOMOGENEOUSLY COVERED (WITHOUT PITTING, PIN HOLES, ETC.) WITH:
 - A. SOLDER COATING, COMPOSITION SN60 OR SN63 PER QQ-S-571, .0003 INCH (MIN) THICK ON CONDUCTIVE PATTERNS (MEASURED AT CREST).
 - OR B. TIN-LEAD PLATING CONTAINING 50% TO 70% TIN CONTENT AND FOLLOWED BY A FUSING PROCESS, .0003 INCH (MIN) THICK ON CONDUCTIVE PATTERNS. (MEASURED AT CREST).
- 4- MASTER PATTERN SHEET 3 (FRONT) SHALL BE USED FOR THE CONDUCTIVE PATTERN. THIS MASTER PATTERN IS PREPARED TO AN ENLARGED SCALE 4/1 AND MUST BE REDUCED TO ACTUAL SIZE TO PRODUCE THE PRINTED BOARD. THE REDUCTION SHALL BE MADE BY A METHOD OR PROCESS AND USING MATERIALS THAT WILL INSURE DIMENSIONAL STABILITY.
- 5- FRONT SIDE OF BOARD SHALL BE CONSIDERED TO BE THE SIDE DEPICTED ON SHEET 1.
- 6- FOR DIMENSIONING OF HOLES LOCATED FROM "X" AND "Y" COORDINATES SEE SHEET 1.
- 7- HOLE NUMBERING (SHEET 1) IS FOR REFERENCE ONLY AND SHALL NOT APPEAR ON FINISHED BOARD.
- 8- UNLESS OTHERWISE SPECIFIED HOLES SHALL BE LOCATED WITHIN .010 DIA OF TRUE POSITION.
- 9- REFERENCE INFORMATION:—
 - A- HIGHEST HOLE NO. USED 50.
 - B- TOTAL NO. OF HOLES 50.
- 10- APPLY MANUFACTURER'S SERIAL NUMBER TO AREA SPECIFIED ON BOARD. NUMBER SHALL CONSIST OF MANUFACTURER'S CODE IDENT NUMBER, CONTRACT OR ORDER NUMBER AND CIRCUIT'S SERIALIZED NUMBER. EXAMPLE: (19200-1234-0001).
- 11- HOLES NUMBERED 1 AND 49 SHALL BE USED TO ESTABLISH THE "Y" AXIS.
- 12- MINIMUM CONDUCTOR WIDTH TO BE .025 AND MINIMUM SPACING TO BE .025.
- 13- THE POSITION OF A HOLE TO ITS SURROUNDING CONDUCTOR PAD SHALL ASSURE ENCIRCLEMENT WITH A MINIMUM ANNULAR RING OF .015 INCH.
- 14- THRU CONNECTIONS TO BE FORMED BY PLATED THRU HOLE IN ACCORDANCE WITH NOTES A AND B BELOW.
HOLE SIZES APPLY AFTER PLATING.
 - A- ELECTROLESS COPPER PLATING. AN ELECTROLESS COPPER DEPOSITION SYSTEM SHALL BE USED AS A PRELIMINARY PROCESS FOR PROVIDING THE CONDUCTIVE LAYER OVER NONCONDUCTIVE MATERIALS FOR SUBSEQUENT ELECTRO-DEPOSITION OF PLATED- THRU HOLES.
 - B- ELECTROLYTIC COPPER PLATING. ELECTROLYTICALLY DEPOSITED COPPER PLATING .001 MIN. THICK IN THE HOLES, INCLUDING COPPER STRIKES WHEN REQUIRED BY PROCESS, SHALL BE PERFORMED IN ACCORDANCE WITH MIL-C-14550, AND SHALL HAVE A MINIMUM PURITY OF 99.5 PERCENT AS DETERMINED BY ASTM E53-48.

PART NO. SEE SHEET 1

12624794 TEST SET M92		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 85-07-26		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, NEW JERSEY 07806-5000	
		YP	YB	EL2	PA	ENGR	CHECKER	BOARD, PRINTED WIRING	
NEXT ASSY		USED ON		TOLERANCES ON DECIMALS ± FRACTIONS ± ANGLE ±		ENGR		CAGE CODE 19200	
APPLICATION		PH		12624795		ENGR		SCALE ~ UNIT WT.	
		PH		12624795		ENGR		SHEET 2 OF 3	

DRAWING SIZE D

8

7

6


3

4

2

4

P/N 12624795

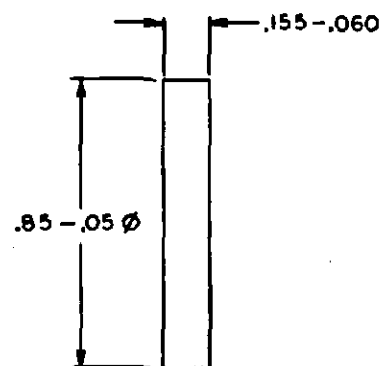
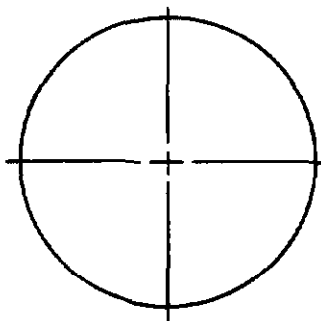
		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING		ORIGINAL DATE OF DRAWING		PART NO. SEE TABLE	
				LESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		85-07-29		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PROTOTYPING BRANCH, NEW JERSEY 07000-0000	
		TYP LEG REV BY DATE		TOLERANCES ON DIMENSIONS & FUNCTIONS & FINISHES		DRAWN BY CHKD BY DATE		BOARD PRINTED WIRING (MASTER FRONT)	
12624794		TEST SET M32		THIRD ANGLE PROJECTION		ENGR DATE			
NEXT ASSY		USED ON				APPROVED BY DATE		SIZE CASE CODE D 19200	
APPLICATION								12624795	
								SCALE 4:1 UNIT WT. FINISH 3 OF 3	


SMCAR FORM 68, 1 MAR 67(TEMP), REPLACES SMCAR FORM 68, 1 JUN 66(TEMP), WHICH MAY BE USED UNTIL EXHAUSTED

NOTES: -

- 2-MATERIAL: UNICELLULAR POLYETHYLENE FOAM,
FLEXILLE, TYPE I, CLASS II, SPEC PPP-C-1752.

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-	PRODUCT BASELINE NOR W6D2012 R1	880706	<i>[Signature]</i>
A	NORMON2156 901127	91-01-22	AJL M3N



		MECHANICAL PROPERTIES	DO NOT SCALE DRAWING		ORIGINAL DATE OF DRAWING		PART NO. 12909983	
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		87-12-18		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, NEW JERSEY 07806-5000	
YP			TOLERANCES ON DECIMALS :		DRAFTSMAN		CHECKED	
TS			FRACTIONS :		JIT		ENGR	
ELZ			ANGLES :		ENGR		ENGR	
RA		BN	THIRD ANGLE PROJECTION		ENGR		ENGR	
12624794 TEST SET M92					7-12-1987 M. J. J. J.		SIZE CAGE CODE	
NEXT ASSY USED ON					Charles M. J. J.		C 19200 12909983	
APPLICATION		RN					SHEET	

DRAWING SIZE C 4

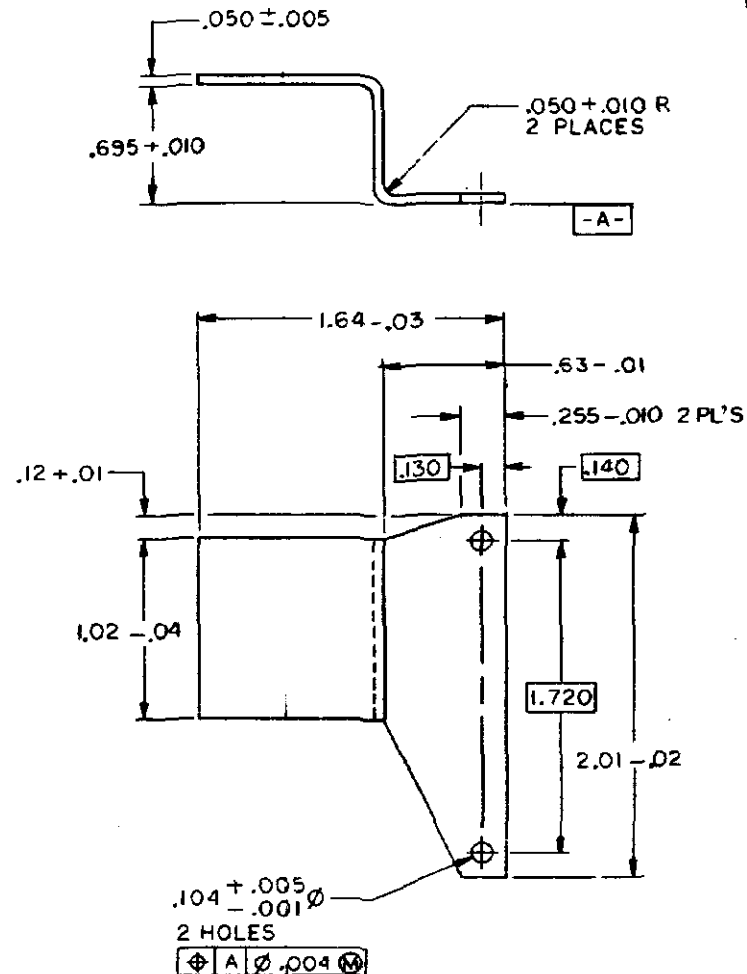
3

2




NOTES:-

- 1-SPEC MIL-A-2550 AND ANSI Y14.5-1973 APPLY.
2-MATERIAL:-ALUMINUM ALLOY SHEET, 1100-O,
SPEC QQ-A-250/1.
3-FINISH NO. 7.2.1 OF MIL-STD-171.

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-	PRODUCT BASELINE NOR W6D2012R1	880706	<i>WJH</i> <i>cm</i>



PART NO.12909985

		MECHANICAL PROPERTIES		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING 87-12-18		U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATUNNY ARSENAL, NEW JERSEY 07806-5000		
		YP		TOLERANCES ON DECIMALS *		DRAFTSMAN	CHECKER	BRACKET, CAPACITOR		
		TS		FRACTIONS * ANGLES *		ENGR	ENGR			
		EL2		THIRD ANGLE PROJECTION		ENGR	ENGR			
12624794	TEST SET M92	RA						SIZE	CAGE CODE	
NEXT ASSY	USED ON	SH						C	19200	12909985
		RM								

CONTRACT DATA REQUIREMENTS LIST

DD FORM 1423 (MECHANIZED)

CATEGORY: MISC

SYSTEM/ITEM:

TO CONTRACT/PR:

1. SEQUENCE NUMBER	14. DISTRIBUTION	DRFT/REG/REPRO COPIES
2. TITLE OF DATA ITEM		
3. SUBTITLE		
4. DATA ITEM NUMBER		
5. CONTRACT REFERENCE		
6. TECHNICAL OFFICE	7. DD 8. APP 9. DIST STATEMENT	
	250 CODE REQUIRED	
10. FREQUENCY	11. AS OF DATE	15. TOTAL:
12. DATE OF 1ST SUBMISSION	13. DATE OF SUBSEQUENT SUBMISSION	
16. REMARKS		

1. A001	14. AMSTA-LC-CIAT	/ 1/
2. TRANSPORTATION DISCREPANCY REPORT		
3.		
4. DI-MGMT-80544A		
5. SOW, ACTBY INST, para 3a(1)		
6. AMSTA-LC-CIA	7. NO 8.	9. N/A
10. ASREQ	11. ASREQ	15. TOTAL 0/ 1/ 0
12. *	13.	
16. REMARKS		
*SUBMISSION REQUIRED UPON DISCOVERY OF TRANSPORTATION DISCREPANCY WHEN MATERIEL IS RECEIVED AT CONTRACTOR'S FACILITY. E-MAIL: mosleya@tacom.army.mil		

1. A002	14. AMSTA-LC-CIAC	/ 1/
2. REPORT OF SHIPPING (ITEM) AND		
3. PACKAGING DISCREPANCY		
4. DI-MGMT-80503		
5. SOW, ACTBY INST, para 4a(2)		
6. AMSTA-LC-CIA	7. NO 8.	9. N/A
10. ASREQ	11. ASREQ	15. TOTAL 0/ 1/ 0
12. *	13.	
16. REMARKS		
*SUBMISSION REQUIRED UPON DISCOVERY OF SHIPPING DISCREPANCY WHEN MATERIEL IS RECEIVED AT CONTRACTOR'S FACILITY. REPORT SHALL BE SUBMITTED WITHIN 3 DAYS OF DISCOVERY. E-MAIL: rods@ria.army.mil		
